

**Amendments to the Claims:**

This listing of claims replaces all prior versions and listings of claims in the application:

**Listing of Claims:**

1. (Original) A process for producing a porous polymeric membrane which process comprises:

a) preparing a solution comprising a polymer which comprises vinylidene fluoride in a solvent/non-solvent mixture by dispersing the polymer in the non-solvent prior to addition of the solvent wherein the boiling point of the non-solvent is higher than that of the solvent;

b) holding the solution at an elevated temperature of at least 40°C until the polymer is completely solvated;

c) casting the solution to form a thin layer; and

d) drying the thin layer to form a membrane.

2. (Original) Process according to claim 1 wherein the solution comprises polyvinylidene fluoride (PVdF).

3. (Currently Amended) Process according to claim 1 ~~or 2~~ wherein the solvent is N,N-dimethylformamide (DMF), N,N-dimethylacetamide (DMA) or N-methyl-2-pyrrolidone (NMP).

4. (Currently Amended) Process according to claim 1 any of the preceding claims wherein the non-solvent is octanol, decanol, dodecanol or a mixture thereof.

5. (Currently Amended) Process according to claim 1 any of the preceding claims wherein the solution is solvated for up to 14 days.

6. (Currently Amended) Process according to claim 1 any

~~of the preceding claims~~ wherein mono-unsaturated carboxylic, sulphonic or phosphonic acid, ester or amide groups are grafted onto the vinylidene fluoride.

7. (Currently Amended) A membrane produced by the process according to claim 1 ~~any of the preceding claims~~.

8. (Currently Amended) A laminate comprising a membrane produced according to the process of claim 1 ~~any of claims 1 to 6~~.

9. (Currently Amended) Use of a membrane produced according to the process of claim 1 ~~any of claims 1 to 5 or a membrane according to any of claims 7 to 9~~ in a battery.

10. (Currently Amended) Use of a membrane produced according to the process of claim 1 ~~any of claims 1 to 6~~ in a fuel cell.

11. (Original) Use of a laminate according to claim 8 in a fuel cell.

12. (New) Use of a membrane according to claim 7 in a battery.

13. (New) Use of a laminate according to claim 8 in a battery.